

FIG. 2

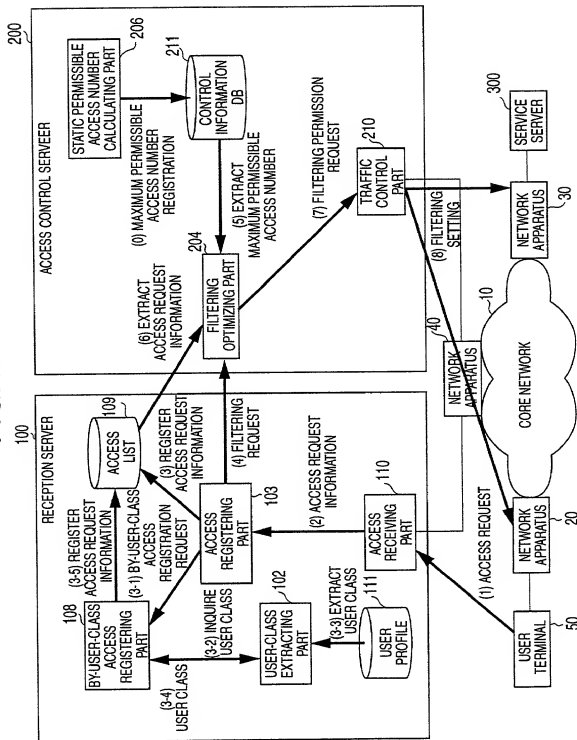


FIG. 3

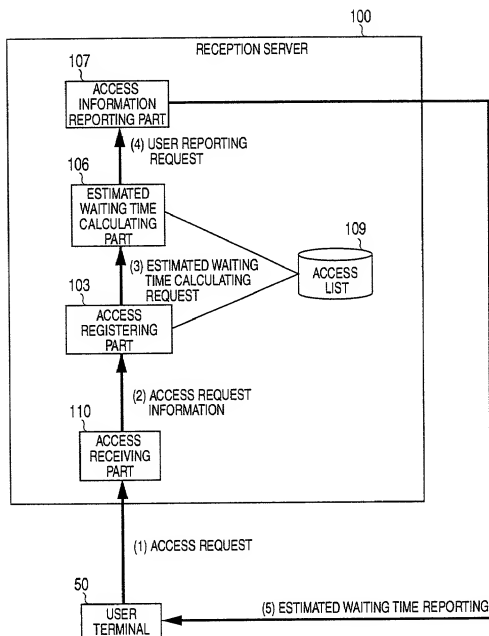


FIG. 5

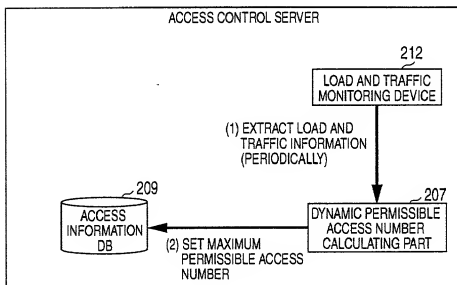


FIG. 6

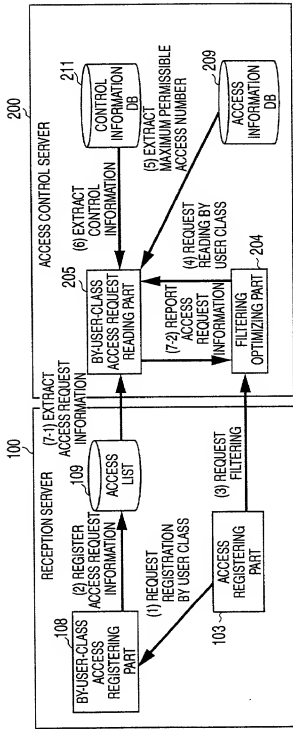


FIG. 7

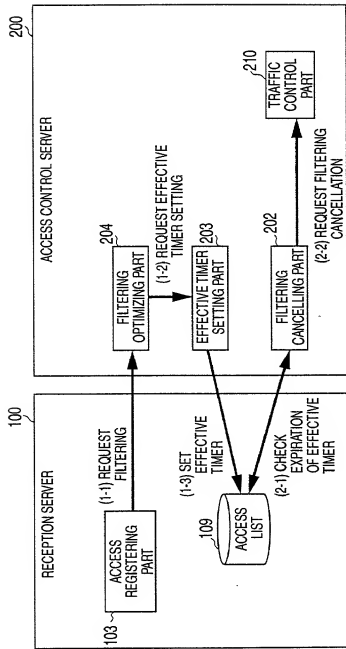


FIG. 8

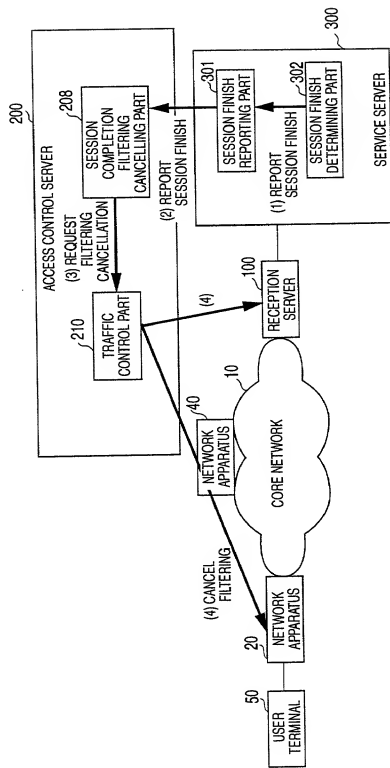


FIG. 9

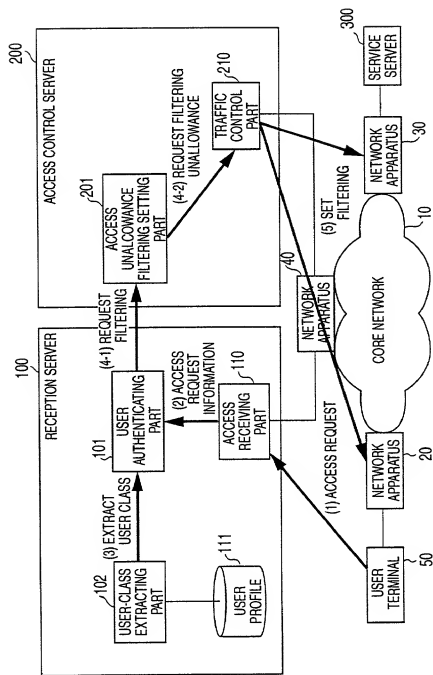


FIG. 10

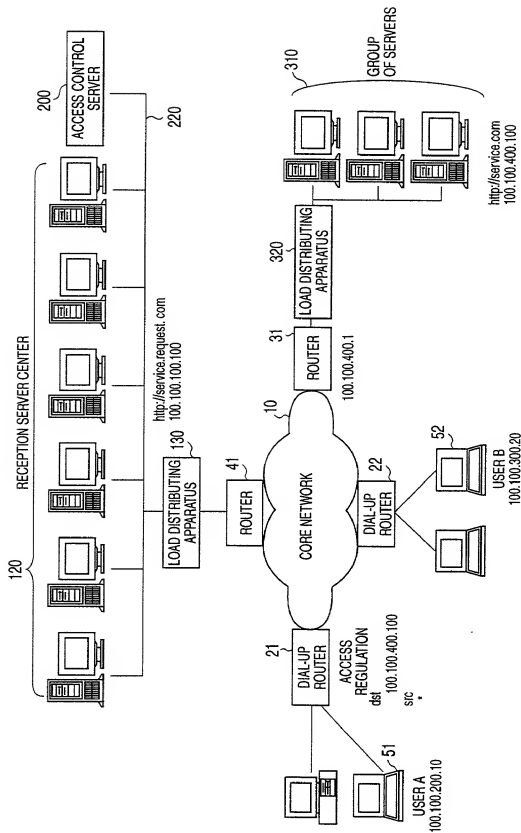


FIG. 11

USER PROFILE

TRANSMISSION SOURCE IP ADDRESS
DESTINATION IP ADDRESS
DESTINATION PORT NUMBER
USER CLASS
.
.
.
DESTINATION IP ADDRESS
DESTINATION PORT NUMBER
USER CLASS

USER CLASS :

- 1 → HIGH PRIORITY
- 2 → MEDIUM PRIORITY
- 3 → LOW PRIORITY
- 0 → UNALLOWED

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FIG. 12

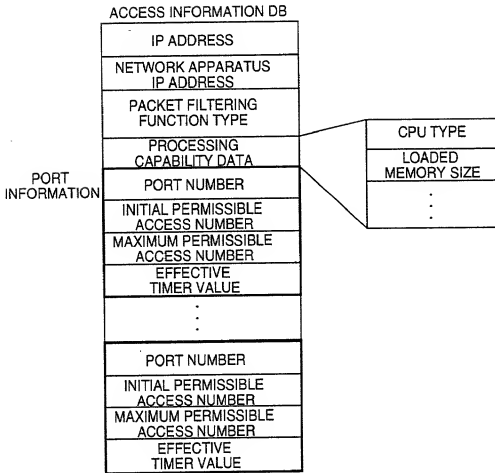


FIG. 13

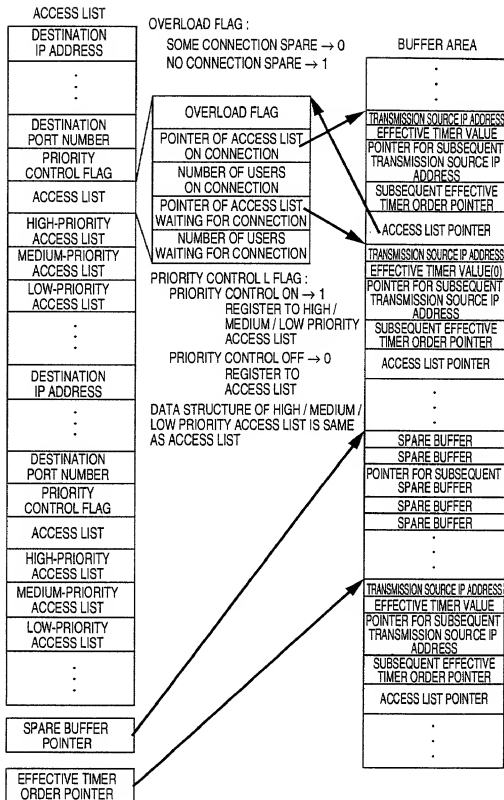


FIG. 14

CONTROL INFORMATION DB

NUMBER OF USER CLASSES
.
.
.
READING CONTROL DATA
.
.

NUMBER OF
USER CLASSES :
3 IN CASE OF HIGH / MEDIUM / LOW
PRIORITY CLASSES

IP ADDRESS
.
.
PORT NUMBER
READING RATIO
.
.

READING RATIO :

DATA OF 321 IS SET IN CASE
WHERE READING RATIO FOR
HIGH ,MEDIUM AND LOW
PRIORITY CLASSES IS 3 : 2 : 1

FIG. 15

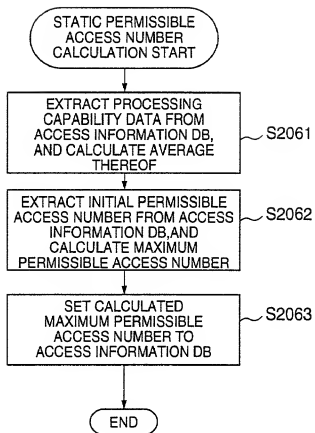


FIG. 18

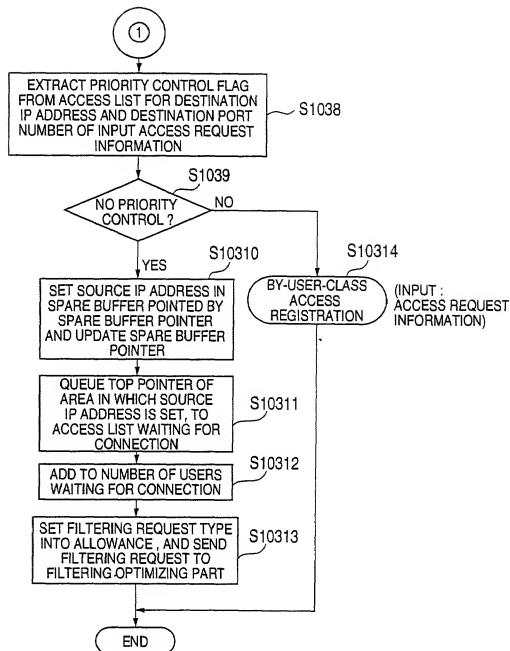


FIG. 19

FILTERING REQUEST

FILTERING REQUEST TYPE
TRANSMISSION SOURCE IP ADDRESS
DESTINATION IP ADDRESS
DESTINATION PORT NUMBER

FILTERING REQUEST TYPE :

- 0 : ALLOWANCE REQUEST
- 1 : UNALLOWANCE REQUEST
- 2 : PRIORITY CONTROL ALLOWANCE REQUEST
- 3 : (ALLOWANCE) CANCELLATION REQUEST

FIG. 21

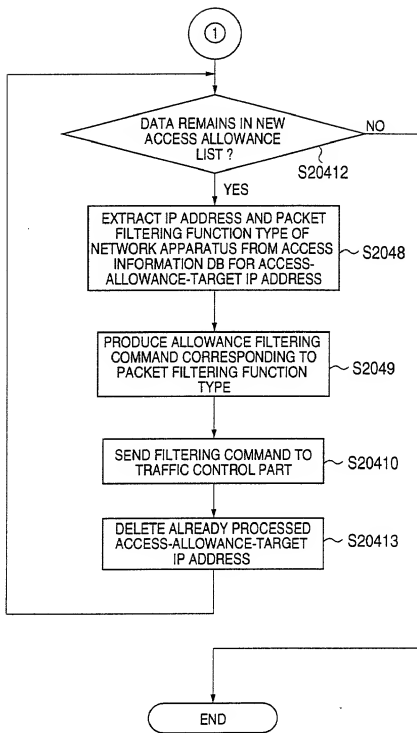


FIG. 22

FILTERING COMMAND
EXECUTION REQUEST



IP ADDRESS :
IP ADDRESS OF NETWORK APPARATUS

FILTERING COMMAND FIELD :
FILTERING COMMAND CORRESPONDING
TO PACKET FILTERING FUNCTION
WHICH EACH NETWORK APPARATUS HAS

FIG. 23

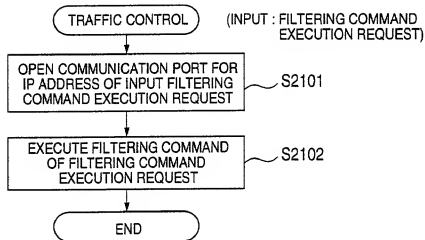


FIG. 24

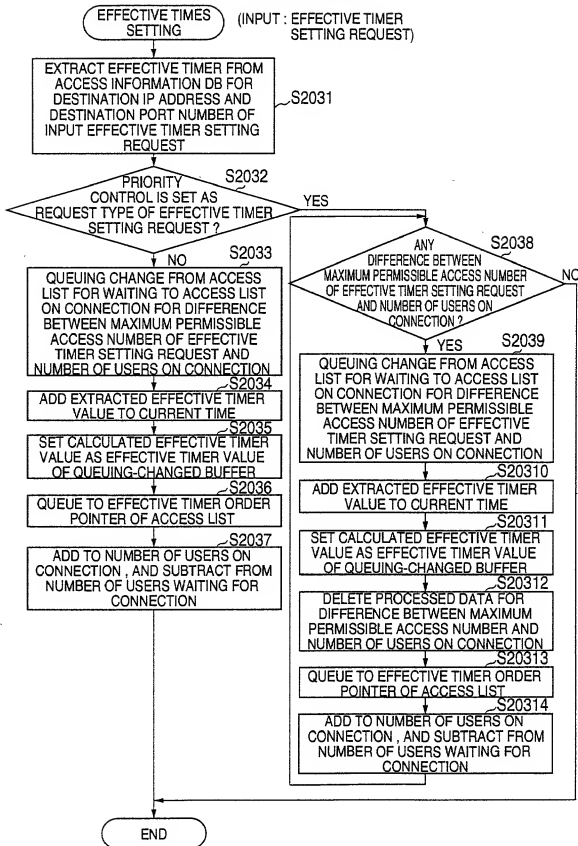


FIG. 25

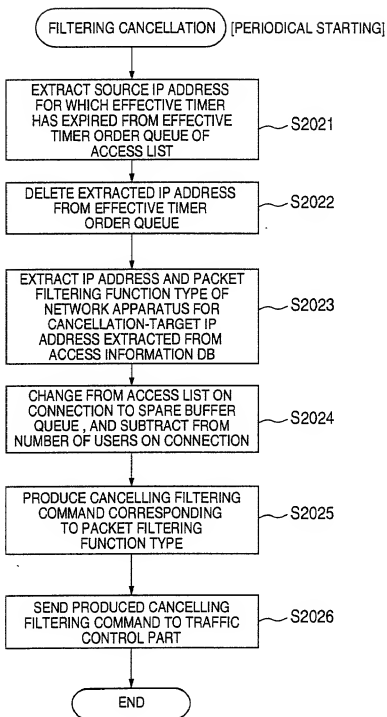


FIG. 26

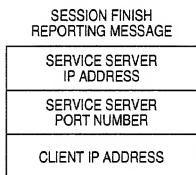


FIG. 27

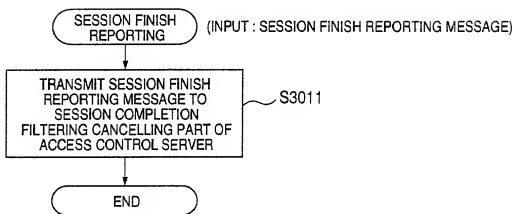


FIG. 28

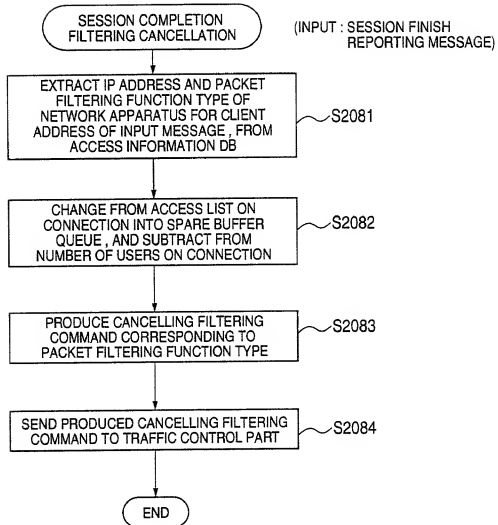


FIG. 29

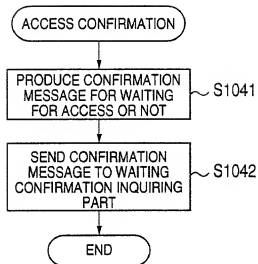


FIG. 30

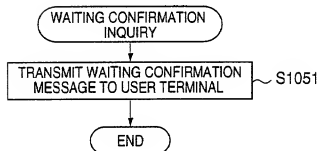


FIG. 31

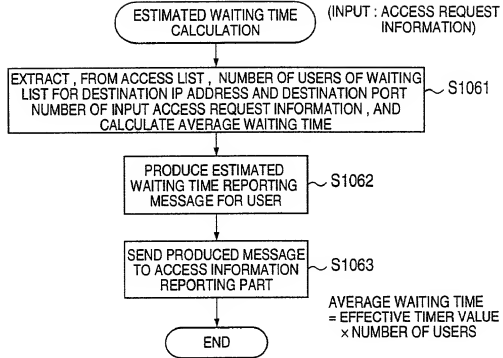


FIG. 32

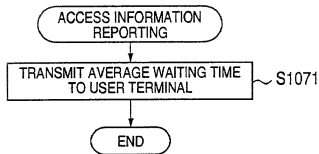
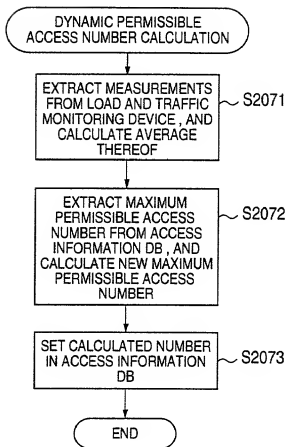


FIG. 33



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FIG. 34

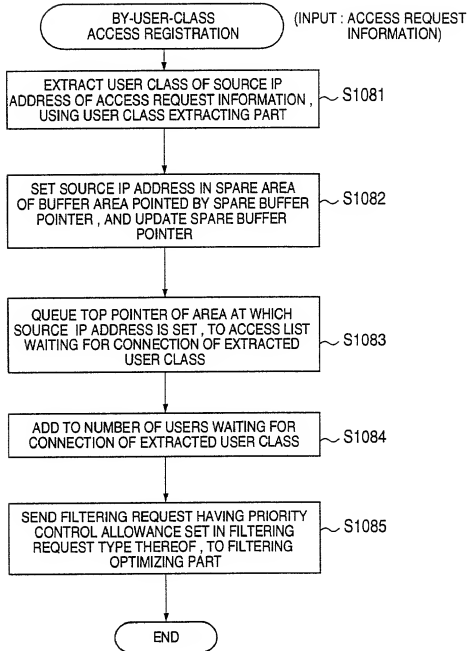


FIG. 35A

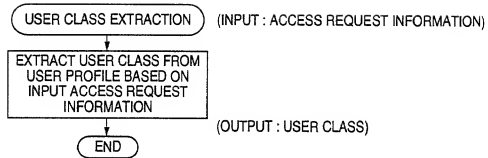


FIG. 35B

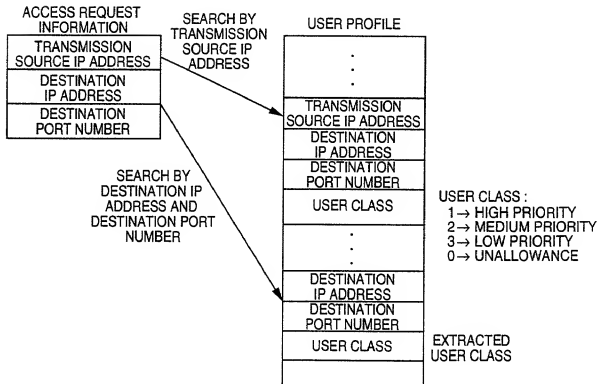


FIG. 36

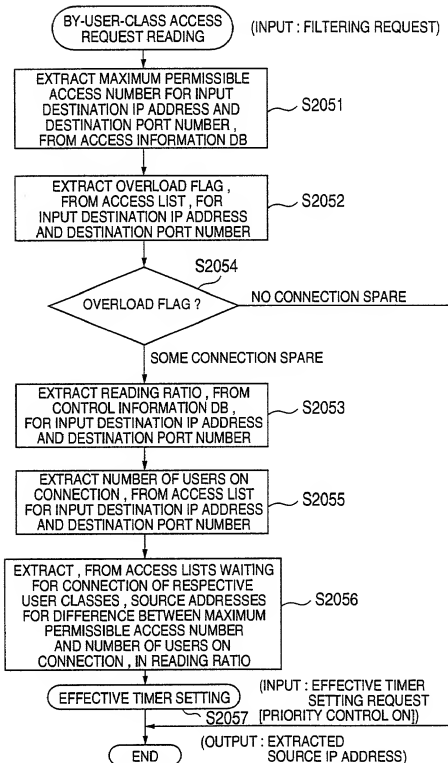


FIG. 37

EFFECTIVE TIMER SETTING REQUEST

REQUEST TYPE
DIFFERENCE BETWEEN MAXIMUM PERMISSIBLE ACCESS NUMBER AND NUMBER OF USERS ON CONNECTION
⋮
DIFFERENCE BETWEEN MAXIMUM PERMISSIBLE ACCESS NUMBER AND NUMBER OF USERS ON CONNECTION
DESTINATION IP ADDRESS
DESTINATION PORT ADDRESS

REQUEST TYPE :

PRIORITY CONTROL 'ON' → 0
PRIORITY CONTROL 'OFF' → 1

DIFFERENCE BETWEEN MAXIMUM PERMISSIBLE
ACCESS NUMBER AND NUMBER OF USERS ON CONNECTION :
• SINGLE DATA IS SET WHEN PRIORITY CONTROL 'OFF'
• DATA IS SET FOR EACH CLASS WHEN PRIORITY
CONTROL 'ON'

FIG. 38

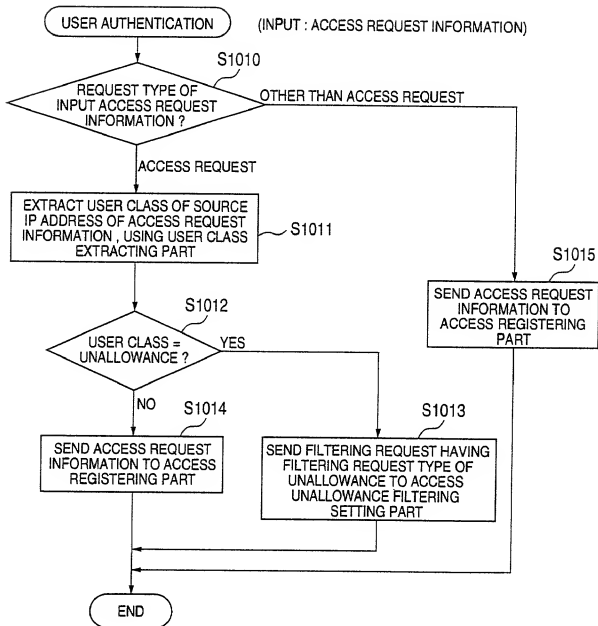


FIG. 39

